

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1050833

Luminaire Tested: 24PTR-50-PLG-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-50-PLG-L935-UNV-STD-W
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

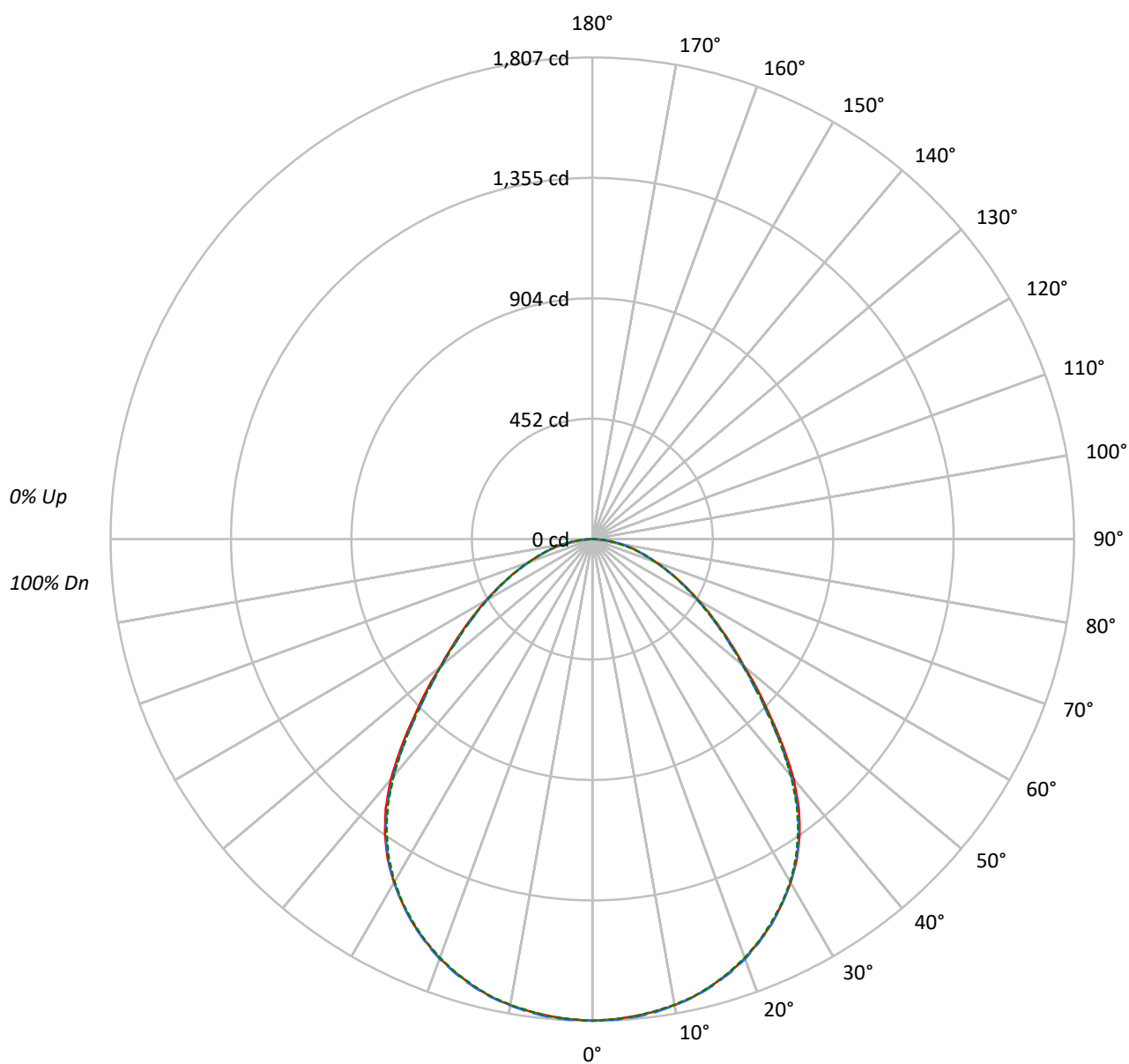
Lumens per Lamp: N/A
Luminaire Lumens: 4071.8 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2431	2431	2431
5°	2427	2432	2429
10°	2425	2427	2423
15°	2415	2419	2413
20°	2396	2400	2393
25°	2363	2365	2357
30°	2311	2311	2305
35°	2227	2220	2210
40°	2063	2041	2034
45°	1803	1774	1781
50°	1557	1538	1546
55°	1384	1363	1366
60°	1239	1222	1222
65°	1110	1103	1107
70°	999	989	999
75°	927	913	927
80°	865	855	824
85°	733	733	653

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1803 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.1	4.2
10°-20°	489.5	12.0
20°-30°	732.5	18.0
30°-40°	839.2	20.6
40°-50°	725.8	17.8
50°-60°	525.3	12.9
60°-70°	346.0	8.5
70°-80°	188.3	4.6
80°-90°	54.0	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1393.1	34.2
0°-40°	2232.3	54.8
0°-60°	3483.5	85.6
0°-90°	4071.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4071.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1807	1807	1807	1807	1807	
5°	1797	1801	1801	1801	1798	171
15°	1734	1735	1736	1739	1733	489
25°	1592	1592	1593	1594	1588	732
35°	1356	1354	1352	1350	1345	842
45°	948	945	932	931	936	734
55°	590	587	581	577	582	531
65°	349	351	346	344	348	348
75°	178	178	176	176	178	190
85°	48	48	48	49	42	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1807.0	1807.0	1807.0	1807.0	1807.0
2.5°	1803.2	1807.0	1805.8	1807.0	1803.2
5°	1796.8	1800.6	1800.6	1800.6	1798.1
7.5°	1787.8	1790.4	1791.6	1792.9	1786.5
10°	1775.0	1777.5	1776.3	1778.8	1773.7
12.5°	1758.3	1758.3	1759.6	1762.1	1757.0
15°	1733.9	1735.2	1736.5	1739.1	1732.6
17.5°	1705.7	1707.0	1708.3	1709.6	1704.4
20°	1673.7	1673.7	1676.2	1677.5	1671.1
22.5°	1633.9	1633.9	1636.5	1640.3	1632.6
25°	1591.6	1591.6	1592.9	1594.1	1587.7
27.5°	1541.6	1541.6	1542.8	1546.7	1539.0
30°	1487.7	1486.4	1487.7	1489.0	1483.8
32.5°	1427.4	1426.1	1424.9	1426.1	1419.7
35°	1355.6	1354.3	1351.7	1350.5	1345.3
37.5°	1272.2	1269.7	1264.5	1264.5	1259.4
40°	1174.8	1168.4	1161.9	1159.4	1158.1
42.5°	1061.9	1056.8	1047.8	1046.5	1046.5
45°	947.8	945.2	932.4	931.1	936.2
47.5°	845.2	838.8	827.2	824.6	832.3
50°	743.8	745.1	734.9	731.0	738.7
52.5°	664.3	661.8	652.8	650.2	656.6
55°	589.9	587.4	581.0	577.1	582.3
57.5°	522.0	520.7	514.3	513.0	515.6
60°	460.4	459.1	454.0	452.7	454.0
62.5°	402.7	402.7	397.6	395.0	398.9
65°	348.8	351.4	346.3	343.7	347.6
67.5°	300.1	302.7	297.5	295.0	300.1
70°	253.9	256.5	251.4	248.8	253.9
72.5°	214.2	215.5	211.6	210.3	216.7
75°	178.3	178.3	175.7	175.7	178.3
77.5°	144.9	143.6	142.4	142.4	139.8
80°	111.6	110.3	110.3	110.3	106.4
82.5°	79.5	76.9	78.2	79.5	73.1
85°	47.5	47.5	47.5	48.7	42.3
87.5°	19.2	19.2	18.0	19.2	16.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)